



ZENECA Inc.
Docket No. PHM.70086

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION OF: WOOD ET AL.

SERIAL NO.: 08/669,656

GROUP ART UNIT: 1818

FILED: JUNE 24, 1996

EXAMINER: M. ALLEN

FOR: ION CHANNEL

Certificate of Mailing (37 CFR 1.8(a)).

I hereby certify that the attached papers or fee is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Assistant Commissioner For Patents, Washington, D.C. 20231.

Liza D. Hohenschutz
(Printed Name)

January 30, 1998
(Date)

Liza D. Hohenschutz
(Signature)

Assistant Commissioner For Patents
Washington, D.C. 20231

Sir:

SUPPLEMENTAL RESPONSE TO OFFICE ACTION

Please amend the above-identified patent application as follows.

In The Claims:

Please add the following new claims.

--34. A purified nucleic acid sequence encoding rat dorsal root ganglia sodium channel, which channel is insensitive to tetrodotoxin.

35. A vector comprising the nucleic acid sequence of claim 34.

36. A host cell transformed or transfected with the nucleic acid sequence of claim 34.

37. A method of producing a mammalian sensory neuron sodium channel protein, wherein the sodium channel is insensitive to tetrodotoxin, comprising expressing the nucleic acid sequence of claim 34 in a host cell transformed with said nucleic acid sequence.--

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Fees charged per Kelly Kemp 02/01